

Date: Mon, 11 Oct 93 09:10:17 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1207
To: Info-Hams

Info-Hams Digest Mon, 11 Oct 93 Volume 93 : Issue 1207

Today's Topics:

 FT-530 mod
Imminent Death of Ham Radio: 2m HT in Penney's Christmas Catalog
 Motorola ad in QST? (3 msgs)
 Need Info on StoneMtn. Hamfest
 Newsline #842 (Lambda ARC ads)
Problems charging after market battery with Yaesu NC-15 charger
 Saturn and 2 meters
Turning in RFI generating PC's to FCC (3 msgs)
 VE30NT report #1

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 11 Oct 93 15:10:38 GMT
From: news-mail-gateway@ucsd.edu
Subject: FT-530 mod
To: info-hams@ucsd.edu

>My apologies for having to post this but...

>

>Someone just recently posted a nice diagram and instructions for
>performing the jumper MOD on the FT-530. At that time I thought I would
>never have any use for it, but within three or four days I will be the
>proud owner of a FT-530.
>So... Could someone please help out and either re-post it or e-mail it to me.
>Thanks in advance

```
>-----  
>Steve Adams  
>internet - sadams@eis.calstate.edu  
>HAM      - KD6KGJ  
>Packet   - KD6KGJ@n6qmy.#nocal.ca.usa.na  
>-----
```

===== As-is from Internet =====

Expanded Receive 110-180, 300-500 MHz
Expanded Transmit 130-180, 400-470 MHz

- o Remove Antenna and Battery.
- o Remove four screws on bottom holding battery track.
- o Remove the four (black) screws holding rear case.
- o Slowly... open the front cover from transceiver and lay both halves on table.
- o Note positioning of white paper insulator in right half of radio and lift out (don't throw away)
- o Carefully locate Jumper Pad 13 and remove solder.
- o Re-install white paper insulator, make sure ground tab slides through the paper insulator.
- o Close radio back up (Careful not to pinch the ribbon cable near lithium battery when closing halves).
- o Re-install the four (black) screws holding rear case.
- o Re-install the four (small silver) screws on bottom holding battery track to radio body.
- o Attach Antenna and Battery.
- o Turn off Radio.... Press and hold both arrow keys while turning on the Radio.
- o Modification Complete.

```

|          | | /
|          --- /
|          / <--- Jumpers are here
|          o /
----- Blowup ---->
2 (l) (l) 1
4 (l) (l) 3
6 (l) (l) 5
8 (l) (l) 7
10 (l) (l) 9
12 (l) (l) 11
14 (l) (l) 13
16 (l) (l) 15
-

```

In side the rig, it really did not look quite like that ... more like this:

```

... 12 (l) (l) 11
      (l) 13
      16 (l) (l) 15

```

In addition to the published receive expansion, it also receives 800-950 MHz... trunking radio, cell phone, 33cm ham band...

Have fun!

```

/-----\
| Jeff Otterson          | The opinions expressed here are |
| j_otterson@star.enet.dec.com | mine. Noone else should be held |
| Digital Equipment Corporation | responsible for my actions.      |
| 110 Spit Brook Rd. Nashua, NH | CENSORSHIP IS THE TOOL OF TYRANTS |
\-----/

```

===== End of posting =====

Enjoy!

```

+-----+-----+
| Robert G. Schaffrath, N2JTX | Internet:   rgs%wpmax2%gfmida@uunet.uu.net |
| Systems Engineer           | CompuServe: 70541,435                     |
| Maxwell House Coffee Company | Phone:      914-335-2777                   |
| Kraft General Foods Corp.   | Slogan:     "ervice is ur mott"           |
+-----+-----+

```

```

Date: Mon, 11 Oct 1993 13:23:50 GMT
From: library.ucla.edu!agate!spool.mu.edu!sgiblab!nec-gw!netkeeper!vivaldi!rsd0!
usenet@network.ucsd.edu
Subject: Imminent Death of Ham Radio: 2m HT in Penney's Christmas Catalog
To: info-hams@ucsd.edu

```

In article <294jvs\$1cl@pith.uoregon.edu> jeffh@ludwig.cc.uoregon.edu (Jeff Hite)

writes:

>How many times does it have to be said...This is the USA...ANYONE can purchase
>ANY radio that is for sale thru regular retail channels...whether or not they
>have the right to transmit is a completley different issue. This post is not
>meant as a flame at N00KQ or to endorse illegal activity on the amateur bands,
>it is just a statement of fact of the law as it is written at this time.

And just to help make this point, how many General Class licensees own
HF transceivers capable of transmitting in the Advanced or Extra
segments? Hmmmmmmmm?

dave

Date: Mon, 11 Oct 93 00:46:20 CDT
From: library.ucla.edu!agate!spool.mu.edu!umn.edu!uum1!kksys.com!edgar!moron!
pillock!stevej@network.ucsd.edu
Subject: Motorola ad in QST?
To: info-hams@ucsd.edu

wa2ise@netcom.com (Robert Casey) writes:

> Found this on packet:
>
> Date: 06 Oct 93 15:14
> From: N1NRA@KD2AJ
> To: INFO@ALLUSA
> Subject: Re: Motorola Ad Oct QST
>
> For those of you that have read the ad on page 161 of the Oct 93 QST and
> are puzzled by its intent, I would suggest that you make the call to the
> listed 800 number and ask for Mr. Tony Beill. This gentleman will be more
> than glad to convey Motorola's intention behind this ad.
> Mr Beill heads Motorola's product security division and of course will have
> all the answers for your questions.
>
> John...N1NRA
> -end- of copied file

Maybe the officlal Motorola spokesmodel can post it as a faq on
r.r.a.m. :^)

Steve KA0VYB

Date: Fri, 8 Oct 93 08:58:00 -0400
From: swrinde!cs.utexas.edu!math.ohio-state.edu!uunet.ca!portnoy!canrem.com!
colin.mcgregor@network.ucsd.edu
Subject: Motorola ad in QST?
To: info-hams@ucsd.edu

In article <1993Oct6.172713.5243@combdyn.com> lawrence@combdyn.com
(Lawrence *The Dreamer* Chen) writes:
>In article <nimtz.1-051093100607@nimtziici.edmedia.nd.edu> nimtz.1@nd.edu (Rick
>Nimtz) writes:
>>In article <1993Oct4.162441.24321@hemlock.cray.com>, dadams@cray.com (David
>>Adams) wrote:
>>
>> In article p0i@panix.com, dannyb@panix.com (danny burstein) writes:
>> |excuse the ignorance here, but since I don't get QST (and the library I
>> |could check is closed until Monday) could someone please post or email a
>> |summary of what the ad said?
>>
>>> Here is the add which appeared on p. 161 of my October 1993 QST:
>>>
>>>
>>> A T T E N T I O N
>>>
>>> PUBLIC SAFETY ANNOUNCEMENT
>>>
>>> Tampering with Motorola's
>>> Communication Technology is
>>> Nothing Short of a Crime.
>>>
>>> Motorola has been at the forefront of communications
>>> technology for more than 60 years. Today, we offer a
>>
>>rest of the ad deleted
>>
>>What does "PUBLIC SAFETY ANNOUNCEMENT" mean?
>>Should I be concerned about my Public Servants using Motorola's radios for
>>some reason? Is Motorola planning to activate some kind of remote control
>>"fail-safe" circuit to render a radio that has been tampered with useless?

>I wondered about this ad, when I read it in September's 73 (which I only got
>a few days ago, after I sent a nasty fax to Wayne Green). Does this mean
>they don't want us Amateurs to use Motorola radios anymore? Tampering just
>because we want to move them into Amateur bands....

Yes, when there are cell phones being sold in Metro Toronto for UNDER
\$50 (ok, there are some limitations on that deal, like you have to sign
up for 6 months of cell phone service, still...) it is tempting to ask
the question how hard would it be adapt a cell phone to the ham 902-928

MHz band. Given the costs, it is a tempting thought.

Here we are not interested in depriving ANYONE of any service. We are not interested in defrauding anyone of anything. Type acceptance is not an issue, as individual hams it is our individual problem to make sure this stuff complies after modification.

Other legal issues, a few years ago a large mall in Toronto starting putting red ribbons around the necks of a flock of fiberglass Canada geese that they had in their mall. The artist objected, went to court, and won (the mall was required to remove the ribbons). The court took the view that the ribbons hurt the reputation of the artist. I would have a GREAT deal of trouble picturing Motorola being described as an artist, for a cell phone, still If one were to replace the ROM with one that has no Motorola code in it, and put the phone in a non-Motorola case, I can't picture them getting anyone even on artistic grounds.

~ DeLuxe} 1.25 #5634 ~ colin@reptiles.org <-----> VE3ZAA

Date: 11 Oct 93 11:12:20 EDT
From: world!ksr!jfw@uunet.uu.net
Subject: Motorola ad in QST?
To: info-hams@ucsd.edu

dadams@cray.com (David Adams) writes:

>In article 17669@lmpsbbs.comm.mot.com, burke_br@adcae1.comm.mot.com (Bruce Burke Sp App) writes:

>|Yes copyright laws do apply when it comes to altering computer code and
>|then ytrying to make a living from it. And while we are at it -
>|every time you sing Happy Birthday, technically you owe someone a royalty
>|because that somg is copyrighted! As for books, go ahead and pull a chapter out
of
>|one and try to republish it with your name on it and watch what happens!
>We are not talking about republishing or copying. We are talking about
>modifying a legitamately obtained copy.

If Motorola's software is shipped on an EPROM, or (worse) a masked ROM, you certainly have to make a new *copy* to have different firmware; the old one, purchased legitimately, isn't *modified* (note that if you erase the EPROM and reprogram it, you've destroyed the original copy and made a duplicate from another (modified) duplicate you had lying around). "Fair use" covers making *partial* copies of works, generally for either personal use or for review purposes; you may not copy an entire work (except for very short works, like a three-line poem -- it would be very hard to do a critical review of a haiku quoting just the first two words).

>(I can't believe any copyright law prohibits anyone from reading
>a book aloud or singing a song aloud.

It most certainly does prohibit "public performances". Singing "Happy Birthday" to your child doesn't count. Having movie characters sing "Happy Birthday", for example, most certainly does count, which is why you find that song rarely used in movies (except, of course, when the producers felt like springing for the license fee).

Folks complaining about what copyright law cannot possibly prohibit should probably consider reading some books on copyright law.

Note, of course, that someone who reverse-engineers new firmware, as long as the do it through the process that the courts have agreed to, is not violating Motorola's copyright, and indeed would not be violating their copyright even if substantial portions of the firmware were the same -- if (and only if) the design of the hardware sufficiently constrained software implementations such that Motorola's implementation were the only, or the most obvious, one possible (expect to need _thorough_ documentation of the design and development process).

So, someone who burns a new ROM for a Motorola radio has copied their copyright-protected software, and (if done without a license) has violated their copyright.

If these "modifications" consist of poking values into EEPROM control registers, however, then they haven't copied a thing (except, possibly, for the program used to perform the register update).

Date: 11 Oct 1993 14:05:53 GMT
From: sdd.hp.com!hpscit.sc.hp.com!hpuerca.atl.hp.com!kpm@network.ucsd.edu
Subject: Need Info on StoneMtn. Hamfest
To: info-hams@ucsd.edu

When is the Stone Mountain, GA Hamfest ? Also, where in Stone Mountain and what time the testing is going to take place.

Please email to kpm@hpuerca.atl.hp.com

Cheers !

Kaushik Mehta

Date: Mon, 11 Oct 93 13:38:02 GMT
From: mnemosyne.cs.du.edu!nyx!lkollar@uunet.uu.net
Subject: Newsline #842 (Lambda ARC ads)
To: info-hams@ucsd.edu

jherman@uhunix3.uhcc.Hawaii.Edu (Jeff Herman) writes:

>If a band of child molesters or a group that practices bestiality (sex
>with animals) wanted to place an ad in QST I would hope the ARRL would
>firmly say 'NO!'.

There's a difference... gays are (presumably, on-campus) consenting adults.
Your attempt to link consent with rape is neither valid nor very intelligent.

Just because I personally find it repulsive doesn't mean I believe in discrimination. If it doesn't affect job performance (which it doesn't from what I've seen), then jobs should be open to all. If consenting adults want to have "weird" sex where I don't have to see it, fine. If gay hams want to advertise an organization in QST, let 'em. It's not hurting me or my family.

I can always skip over the ad if I don't want to look at it. Nobody's forcing me to call them & join up. (OTOH, I don't think I'd accept a free membership either.)

Wayne's last article was confusing to me. He's usually careful about making himself clear; his Lambda-basting bordered on the incoherent. It seemed to me that he was trying to argue from both sides of the fence, and the result was a complete jumble. If what I heard/read was right, that the ARRL backed down and offered ad space to Lambda but Lambda continued with the lawsuit, then I agree Lambda has become the bad guy. (I'm sure I'll hear about it if "that turns out not to be the case.")

--

Larry Kollar, KC4WZK | I like CW, but that doesn't mean I think every ham
lkollar@nyx.cs.du.edu | should have to learn it.

"You mean you came back from the dead, to tell me I'm *odd*?"

Date: Mon, 11 Oct 1993 12:01:54 GMT
From: gsm001!gsm001.mendelson.com!gsmlrn@uunet.uu.net
Subject: Problems charging after market battery with Yaesu NC-15 charger
To: info-hams@ucsd.edu

In article <CEpF32.3v6x@austin.ibm.com> mwiz@austin.ibm.com writes:
>Hi folks,

>I cannot charge my after market battery in my Yaesu NC-15 charger.
>The battery is from W&W Associates and has a 1000 mah/hour capacity.

>Batteries from Yaesu will charge. When I drop in the after market
>battery the quick charge light does not come on.

I have had similar problems with ICOM chargers and W&W 13 volt batteries.
The problem was caused by the ICOM chargers putting out 11 volts as measured
across the battery contacts on the top while bottom charging the battery.

The W&W charger did not have the same problem. BTW, I recently saw 12 volt
chargers for ICOM batteries at a hamfest. They were being sold by an oem
battery vendor who claimed that ICOM chargers would not properly charge
the higher voltage batteries.

You may have a similar problem.

Geoff.

--

Geoffrey S. Mendelson N3OWJ
(215) 242-8712
gsm@mendelson.com or uunet!gsm001!gsm

Date: Sun, 10 Oct 93 23:24:00 -0500
From: library.ucla.edu!agate!iat.holonet.net!cencore!steve.gross@network.ucsd.edu
Subject: Saturn and 2 meters
To: info-hams@ucsd.edu

In Message-ID: <CEn8nn.EuG@world.std.com>,
Sharon, KC1YR, asked:

SS> Just wondering if anyone out there has experience using/installing
SS> 2-meter equipment (or HF, for that matter), in a Saturn.

Sharon, I bought an SL-2 last March and obviously had the very same
question. So before I committed to the purchase I decided to try out
their toll-free information number. The person who took my call
frankly admitted he didn't know, and asked if he could transfer me
to someone who had more experience with the electronics in the car.
Of course I said yes.

I was put through to another fellow and I repeated the question. His
immediate reply was there would be no problem. Saturn's only caution
was that the power to the rig be run directly from the battery;
don't try to splice into the existing wiring.

So far he's been right on both 2m and 440. Hope this helps.

73 de N2BNB

Steve

steve.gross@cencore.com

* RM 1.2 01087 * I slit my throat on the cutting edge of technology.

Date: Mon, 11 Oct 1993 10:17:26 GMT
From: sytex!rjkeller@uunet.uu.net
Subject: Turning in RFI generating PC's to FCC
To: info-hams@ucsd.edu

rick@cs.sunysb.edu (Rick Spanbauer) writes:

> Note that I am not quite enough a Libertarian to say we should
> not have regulations at all, but the current system is burdensome
> enough that IMO we need not cajole the FCC into taking even more
> action than it has. I rather like the idea of being able to
> buy low cost iron (PC + peripherals) - if the Feds get into the
> act, we usually all end up paying a lot more for epsilon better
> services/merchandise.

I am not advocating running to the FCC over every little problem, and I fully realize that properly compliant individual systems, when combined, may cause interference that is not the fault of the manufacturer. But the original poster described a situation in which the manufacturer had apparently blatantly ignored even minimal precautions, and you will recall that he did try to deal with the manufacturer directly before going to the FCC.

I disagree that FCC compliance will result in more expensive equipment. Even you admit that dealing with the problem is often as simple as installing a bead and/or scraping a bit of paint and re-tightening a screw. It would not add much at all to the cost of producing equipment for the manufacturer to take care of that at the outset ... in fact, it will probably save the manufacturer money in that it will reduce the number of complaints to be dealt with after the product is in consumer hands.

Also, cost is not measured only in terms of the retail price to the one who buys the piece of equipment. What about the potential interference experienced by all of us? I don't believe that

I should be forced to suffer telephone interference (or even difficulty pulling out a weak CW signal) merely so that my neighbor can save a buck or two on a piece of computer equipment. And it is not just computers and peripherals ... it is all sorts of electronic equipment. Further, you must remember that the vast majority of consumers have neither the expertise nor the inclination to "go to Radio Shack" as you suggest and make even minimal modifications to purchased equipment. And why should they? That is the manufacturers job.

I do not believe in throwing Government regulation and intervention at every conceivable societal ill ... but I do believe that the first line of attack on RFI in a society that is inundated with electronic devices must be the manufacturers. I believe this in general, and I particularly believe this as a ham. (We hams, operating legal and fully compliant systems, are frequently blamed for RFI that is actually caused by the ineffective shielding of consumer electronic devices.)

I think the original poster did the right thing. He first went directly to the manufacturer, who chose not to help. Only then did he go to the FCC.

Robert J. Keller (KY3R) | rjkeller@sytex.com
Telecommunications Lawyer | rjk@telcomlaw.win.net
Tel 202.939.7918 Fax 202.745.0916 | CIS 76100.3333

Date: 11 Oct 1993 13:38:25 GMT
From: sdd.hp.com!col.hp.com!news.dtc.hp.com!hplextra!hpscit.sc.hp.com!
icon.rose.hp.com!hpchase.rose.hp.com!cmoore@network.ucsd.edu
Subject: Turning in RFI generating PC's to FCC
To: info-hams@ucsd.edu

Bob Keller (rjkeller@sytex.com) wrote:
: I think the original poster did the right thing. He first
: went directly to the manufacturer, who chose not to help.
: Only then did he go to the FCC.

And he didn't complain just because the unit was generating RFI. What he reported was that the company was putting an FCC Compliance number on a machine to which it didn't apply.

Chris Moore
N6IYS
cmoore@mothra.rose.hp.com

Date: 11 Oct 1993 14:37:30 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!newsserver.jvnc.net!udel!
newsserv.cs.sunysb.edu!rick@network.ucsd.edu
Subject: Turning in RFI generating PC's to FCC
To: info-hams@ucsd.edu

Chris Moore (cmoore@rose.hp.com) wrote:

: Bob Keller (rjkeller@sytex.com) wrote:

: : I think the original poster did the right thing. He first
: : went directly to the manufacturer, who chose not to help.
: : Only then did he go to the FCC.

: And he didn't complain just because the unit was generating RFI. What he
: reported was that the company was putting an FCC Compliance number on a
: machine to which it didn't apply.

Shades of gray. What we don't know is whether the
reseller upgraded the DX-25 system (that carried the sticker)
to a DX-66 system. Many of these systems are built in
the Pacific Rim and then personalized after shipment into
the US. I realize there is a pervasive 60 minutes attitude that
industry is bad, but leaping to conclusions like this is
potentially damaging to companies and ultimately to the
real people that work for them...

Of course, it would be a boon to the EMI compliance testing
industry if we instituted yearly EMI pollution tests that
every PC had to go through once a year, just like an automobile :-)

: Chris Moore

Rick Spanbauer, WB2CFV
State U of NY/Stony Brook

Date: 11 Oct 93 16:47:23 GMT
From: news-mail-gateway@ucsd.edu
Subject: VE30NT report #1
To: info-hams@ucsd.edu

VE30NT - 1st Weekend Summary

Moonbounce tests from VE30NT (46 meter dish) were highly successful
this past weekend (Oct 9 & 10). Results:

	Band	QSOs	Multipliers
	144	236	44
	432	166	37
Total		402	81

QRM was staggering and signals were quite strong (especially on 432). We had some trouble on receive on 432 due to bad DC regulation on the preamp power supply; this made copying weak signals difficult. Most stations heeded our widely-published intention (QST, CQ, InterNet, packet, etc.) to work "split." This was necessary to spread out the QRM. We were not listening on our transmit frequency; we're sorry if we missed anyone.

HF liaison was not successful. Despite appearances, we were on 3.818, 3.843, and 14.345 regularly, but it seemed like we were in a black hole - nobody could hear us and we heard almost no one.

The big dish has a minimum elevation of about 9 degrees, thus our Moon window is somewhat narrower than we expected.

NOTE: QSL information: QSL via VE30NT ('93 Callbook address only!) or to VE3AS0, Dennis Mungham, R.R. 3, Mountain, Ontario K0E 1S0. QSLs to old VE30NT address will be returned by the post office. Please pass the word.

As previously announced, we plan to be on 432.050 MHz (with a better receiver and at least 1 dB more antenna gain) on Saturday, Nov. 6, and on 1296.050 on Sunday, Nov. 7. One change from earlier announcements: VE30NT will run linear polarization on 1296 instead of circular.

More information, including a detailed breakdown of the score, will be posted later.

W9IP & VE3AS0
MOWE@SLUMUS
Oct. 11, 1993

Date: Mon, 11 Oct 1993 12:51:56 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!europa.eng.gtefsd.com!emory!
kd4nc!ke4zv!gary@network.ucsd.edu
To: info-hams@ucsd.edu

References <johng-081093164343@sce16.comm.mot.com>,
<19930ct9.162915.7570@ke4zv.atl.ga.us>,
<19930ct10.142350.5729@mnemosyne.cs.du.edu>~W

Reply-To : gary@ke4zv.UUCP (Gary Coffman)
Subject : Re: MOTOROLA

In article <1993Oct10.142350.5729@mnemosyne.cs.du.edu> jmaynard@nyx.cs.du.edu (Jay Maynard) writes:

>Actually, they may be moving in this direction, but in a slightly different
>manner: the MTS2000 series, at least, has the firmware in EEPROM. I don't know
>if the current programming software does this, but that makes possible
>downloading only the code that implements the features the user has paid for
>into the radio. Turning on additional features would then require downloading
>whole modules into the radio, and someone doing that without permission would
>indeed be in violation of copyright.

Yes, that would be a clear cut case of piracy. However, it does offer an interesting market for third party firmware. We've seen some of that in amateur gear with the replacements for the Icom firmware in battery backed RAM that adds functionality such as more memories, better scanning, etc.

Gary

--

Gary Coffman KE4ZV	"If 10% is good enough	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	for Jesus, it's good	uunet!rsiatl!ke4zv!gary
534 Shannon Way	enough for Uncle Sam."	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244	-Ray Stevens	

End of Info-Hams Digest V93 #1207
